## **EAST Search History**

| Ref<br># | Hits  | Search Query  | DBs                          | Default<br>Operator | Plurals | Time Stamp       |
|----------|-------|---|------------------------------|---------------------|---------|------------------|
| S55      | 29022 | (mix\$5 with frequenc\$5) and ((first and (two second)) with frequency)   | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2007/11/18 17:17 |
| S56      | 465   | (mix\$5 with frequenc\$5) and ((first and (two second)) near4 frequency) and (semiconductor near3 laser)  | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2007/11/18 17:18 |
| S57      | 375   | (mix\$5 near5 frequenc\$5) and ((first and (two second)) near4 frequency) and (semiconductor near3 laser)   | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2007/11/18 18:23 |
| S58      | 116   | (mix\$5 near5 frequenc\$5) and ((first and (two second)) near4 frequency with light) and (semiconductor near3 laser)  | US-PGPUB;<br>USPAT           | OR                  | OFF     | 2007/11/18 17:22 |
| S59      | 138   | (mix\$5 near5 frequenc\$5) and ((first and (two second)) near4 frequency with light) and (semiconductor near3 laser)  | US-PGPUB;<br>USPAT           | OR                  | ON<br>, | 2007/11/18 17:22 |
| S60      | 18    | ((mix\$5 near5 frequenc\$5) with (third<br>near3 frequency)) and ((first and (two<br>second)) near4 frequency with light)<br>and (semiconductor near3 laser)                | US-PGPUB;<br>USPAT           | OR                  | ON      | 2007/11/18 17:31 |
| S61      | 52    | ((mix\$5 near5 frequenc\$5) with (third near3 frequency)) and ((first and (two second)) near4 frequency) and (semiconductor near3 laser)                                    | US-PGPUB;<br>USPAT           | OR                  | ON      | 2007/11/18 17:31 |
| S62      | 9     | ((mix\$5 near5 frequenc\$5) with (third<br>near3 frequency)) and ((first and (two<br>second)) near4 frequency with light)<br>and (semiconductor near3 laser) and<br>grat\$5 | US-PGPUB;<br>USPAT           | OR                  | ON      | 2007/11/18 18:05 |
| S63      | 17    | ((mix\$5 near5 frequenc\$5) with (third<br>near3 frequency)) and ((first and (two<br>second)) near4 frequency) and<br>(semiconductor near3 laser) and<br>grat\$5            | US-PGPUB;<br>USPAT           | OR                  | ON      | 2007/11/18 18:11 |
| S64      | 1     | ("6744552").PN.   | USPAT;<br>USOCR              | OR                  | OFF     | 2007/11/18 17:36 |
| S65      | 0     | lbo near grat\$5  | US-PGPUB;<br>USPAT           | OR                  | ON      | 2007/11/18 18:05 |
| S66      | 4     | lbo near4 grat\$5   | US-PGPUB;<br>USPAT           | OR                  | ON      | 2007/11/18 18:07 |
| S67      | 0     | ("20020054613").PN.   | USPAT;<br>USOCR              | OR                  | OFF     | 2007/11/18 18:08 |
| S68      | 1     | ("20020054613").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR                  | OFF     | 2007/11/18 18:08 |

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| S69 | 1     | ((mix\$5 near5 frequenc\$5) with (third<br>near3 frequency)) and ((first and (two<br>second)) near4 frequency) and<br>(semiconductor near3 laser) and<br>(grat\$5 with electromagnetic)                     | US-PGPUB;<br>USPAT   | OR | ON  | 2007/11/18 18:12 |
|-----|-------|---|----------------------|----|-----|------------------|
| S70 | 1     | ((mix\$5 near5 frequenc\$5) and (third<br>near3 frequency)) and ((first and (two<br>second)) near4 frequency) and<br>(semiconductor near3 laser) and<br>(grat\$5 with electromagnetic)                      | US-PGPUB;<br>USPAT   | OR | ON  | 2007/11/18 18:12 |
| S71 | . 1   | ((mix\$5 near5 frequenc\$5) and (third<br>near3 frequency)) and ((first and<br>(plural\$ multi\$4 two second)) near4<br>frequency) and (semiconductor near3<br>laser) and (grat\$5 with<br>electromagnetic) | US-PGPUB; USPAT      | OR | ON  | 2007/11/18 18:24 |
| S72 | 1386  | (grat\$5 with electromagnetic)  | US-PGPUB;<br>USPAT   | OR | ON  | 2007/11/18 18:13 |
| S73 | 67    | (grat\$5 with electromagnetic) and (mix\$5 with frequenc\$4)  | US-PGPUB; I<br>USPAT | OR | ON  | 2007/11/18 18:13 |
| S74 | 13    | (grat\$5 with electromagnetic) and (mix\$5 with frequenc\$4) and (semiconductor near3 laser)  | US-PGPUB;<br>USPAT 、 | OR | ON  | 2007/11/18 18:14 |
| S75 | 15259 | (mix\$5 near5 frequenc\$5) and ((first and (two second)) near4 frequency)   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/11/18 18:23 |
| S76 | 6     | (mix\$5 near5 frequenc\$5) and ((first and (plural\$ multi\$4 two second)) near4 frequency ) and (semiconductor near3 laser) and (grat\$5 with electromagnetic)   | US-PGPUB;<br>USPAT   | OR | ON  | 2007/11/18 18:32 |
| S77 | 1     | ("6301271").PN.   | USPAT;<br>USOCR      | OR | OFF | 2007/11/18 18:34 |
| S78 | 9032  | electro\$5 with grat\$5   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/11/18 18:35 |
| S79 | 1     | S77 and S78   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/11/18 18:35 |